



## OO/UC3M/67- COLLABORATIVE E-LEARNING PLATFORM FOR SOFTWARE ENGINEERING BEST PRACTICES TRAINING

The *Software Engineering Lab* (SEL-UC3M) is aimed to develop solutions to software projects processes related problems having an accessible, collaborative, practiced and manageable focus. We are interested to collaborate with research centers and universities worldwide that share our philosophy as well as with enterprises and public administrations interested in our novel methods.

### Description and special features

This collaborative learning framework will allow organizations to have a qualified human capital that will be able to effectively deploy software engineering best practices into organizations according to its reality. Learning process will be empowered by the incorporation of last generation learning tools such as: podcast, videoconference, self-learning multimedia content and ubiquitous access to the e-learning platform.

In order to assure organizations capital investment, this learning framework will offer monitoring techniques for the learning process in order to measure, using six sigma based techniques, employees yield during their training process as well as their performance while incorporating acquired knowledge in their work activities. Thanks to the mentioned measurement and control techniques, return of investment made in personnel training will be assured.

Fig. 1. Collaborative E-Learning Platform for Software Engineering Best Practices Training



Página web (para información adicional): <http://sel.inf.uc3m.es>

### Innovative aspects

- Identification of organization knowledge and human capital as valuable assets.
- Improvement of the efficiency of use of processes in software projects.
- Ubiquitous access to the collaborative learning platform.
- Elimination of ambiguity in the personnel training process quality measurement thanks to the incorporation of six sigma techniques.

### Competitive advantages

- Continuous and innovative learning for organizations personnel.
- Costs reduction thanks to the software engineering best practices application.



#### Competitive advantages

- Capacity to measure employees yield during the learning process as well as capacity to measure effectiveness of learned knowledge and its application in daily work activities.
- Assurance of Return of investment in personnel training plans.

#### Technology Keywords

Knowledge management, processes management; Didactic Systems; e-Learning

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